

**Method for extracting cotton phenol by lye****Patent Assignee:** XU S**Inventors:** XU S**Patent Family**

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
CN 1094392	A	19941102	CN 93104941	A	19930420	199543	B

**Priority Applications (Number Kind Date):** CN 93104941 A ( 19930420)**Patent Details**

Patent	Kind	Language	Page	Main IPC	Filing Notes
CN 1094392	A			C07C-047/565	

**Abstract:**

CN 1094392 A

Method for extracting gossypol with lye is the one for directly extracting gossypol from cold-squeezed cottonseed oil by use of lye. The method uses used alkaline buffering liquid having a pH value of 9-10.5 so as to greatly raise the yield of gossypol. It improves the conventional technology for extracting gossypol, and is economic and effective.

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**Cotton seed oil extraction giving higher - yields of better quality oil**  
**Patent Assignee: VSESOJUZNYJ NI INST ZIROV**

**Patent Family (4 patents, 3 countries)**

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 1917341	A	00000000	DE 1917341	A	19690403	197043	B
			DE 1917341	A	19690403		
US 3654325	A	00000000				197217	E
DE 1917341	B	00000000	DE 1917341	A	19690403	197313	E
JP 1975024966	B	19750820				197537	E

**Priority Application Number (Number Kind Date):** DE 1917341 A 19690403

**Alerting Abstract:** DE A

Shelled kernels with moisture content of 5-10% are (A) comminuted, heated at 60 degrees to 90 degrees C whilst keeping the moisture content at 6-9%, pressing out the oil and extracting the residue with petrol or hexane, or (A') moistening the kernels, heating to 35 degrees C until the gossypol husks are swollen, comminuting and extracting with petrol or benzene. The oil and extract are treated with 0.4 to 0.6% (based on the gossypol content) of an aromatic acid at 60 degrees to 90 degrees C, until at least 80% of the gossypol content is insolubilised.

After separating the gossypol deposit, it is extracted with petrol or benzene to remove oil and the extraction agent removed from the gossypol residue, which has uses as an anti-oxidant and polymerisation stopper.

**International Classification (Additional/Secondary):** C11B-001/02

**Original Publication Data by Authority**

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**\*\*Verfahren zur Gewinnung von Baumwollsaatöl\*\***

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